

Notice of Allowability

Application No.

09/759,789

Examiner

Almis R Jankus

Applicant(s)

MUNSHI ET AL.

Art Unit

2671

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicants' amendment of 9/7/04.
2. ☒ The allowed claim(s) is/are 1-27.
3. ☒ The drawings filed on 11 January 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


ALMISH R. JANKUS
PRIMARY EXAMINER

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

With respect to claim 1, the prior art of record does not fairly teach the claimed "iterating bump map coordinates (bu, bv) of texels to obtain the displacement values fu and fv, respectively"; and "retrieving the scaling values scaleu and scalev from a scale register". With respect to claim 6, the prior art of record does not fairly teach the claimed "iterating bump map coordinates (bu, bv) of texels to obtain first and second displacement values, respectively"; and "retrieving first and second scale factors from a scale register". Note that in claim 6, the preamble is given patentable weight because it recites essential structure or steps. The body of claim 6 limits the "displacement"; however, limiting the "displacement" requires the "first and second scale factors" and the "first and second displacement values" which are obtained at the claim preamble. With respect to claim 11, the prior art of record does not fairly teach the claimed "iterating bump map coordinates (bu, bv) of texels to obtain first and second displacement components, respectively"; and "retrieving first and second scale factors from a scale register". With respect to claim 17, the prior art of record does not fairly teach the claimed "bump map filter having inputs at which bump map coordinates (bu, bv) are received, the bump map filter configured to iterate the bump map coordinates to generate first and second displacement components"; "a scale register storing first and second scale factors"; and "a gradient mapping circuit coupled to the bump map filter

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and the scale register". With respect to claim 22, the prior art of record does not fairly teach the claimed "bump map filter having inputs at which bump map coordinates (bu, bv) are received, the bump map filter configured to iterate the bump map coordinates to generate first and second displacement components"; and "a scale register storing first and second scale factors". With respect to claim 23, the prior art of record does not fairly teach the claimed "bump map filter having inputs at which bump map coordinates (bu, bv) are received, the bump map filter configured to iterate the bump map coordinates to generate first and second displacement components"; "a scale register storing first and second scale factors"; and "a gradient mapping circuit coupled to the bump map filter and the scale register".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Almis R Jankus whose telephone number is 703-305-9795. The examiner can normally be reached on M-F, 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Zimmerman can be reached on 703-305-9798. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AJ



ALMIS R. JANKUS
PRIMARY EXAMINER